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8 September 1969

MEMORANDUM FOR: Deputy Director for Intelligence  
THROUGH : DDI Planning Officer  
SUBJECT : Funding for Completion of the  
HYTRAK Computer System  
REFERENCE : OSR Memorandum to DDI Concerning  
Project HYTRAK, Dated 20 Feb '69

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1. HYTRAK is an on-line maintenance and retrieval system developed by [REDACTED] and funded by ORD during fiscal 1969. It utilizes an IBM 2260 display station linked to an IBM 360/50 computer in CRS. A complete description of the system was included in the referenced memorandum.

2. In July 1969 the system became operational with a limited data base -- a file of descriptive and chronological data on surface-to-air missile (SAM) sites in North Vietnam and partial file of Soviet SAM sites. Analysts from the Defensive Missiles Branch judge that it would be a useful tool for maintaining, searching and collating files on all deployed Soviet defensive missile systems.

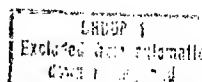
3. The system can presently accommodate a file of 1,024 records. Modifications to the system's programs are required so that data files of up to 2,048 records can be inserted. The entire USSR file of defensive missile installations could then be accommodated in the system.

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4. The contractor has indicated that [REDACTED] would be required to complete the work as outlined in the attached Statement of Work. Final check-out of the system would be completed within 60 days after receipt of a contract.

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5. HYTRAK is one of two ADP systems using remote display consoles which are under development for use within OSR. The second system, QUIKTRAK, also being developed [REDACTED] is designed to aid OSR analysts in their research on Soviet and Chinese ground forces. The QUIKTRAK system may be useful for other research areas, including defensive missile systems. For this reason OSR will request OCS to determine the technical feasibility of merging the QUIKTRAK and HYTRAK systems. At the same time OSR analysts will review both systems to determine the usefulness of a combined system. If the OSR and OCS evaluations are favorable, a combined system may be available in early 1971.

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6. By late 1969 the HYTRAK system would become the primary method of maintaining detailed order-of-battle information on Soviet defensive missile systems. In view of the much later operational date for a possible combined HYTRAK/QUIKTRAK system, I request approval to complete development of the HYTRAK system at this time. Even if a combined system appears desirable in the future, HYTRAK could provide much useful service in the next year or two before the new system is available.

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[REDACTED]

Deputy Director  
Strategic Research

## Attachments:

Tab A: Statement of Work  
Tab B: OSR Memo to DDI  
dated 20 Feb 1969

## Distribution:

Orig. & 1 -- Addressee  
1 -- DDI Planning Officer  
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